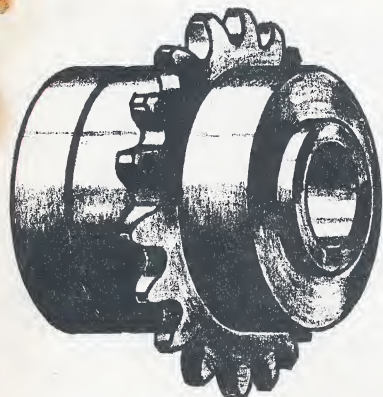




"ONE-WAY CLUTCH SPROCKET"

SIMPLE - ECONOMICAL - COMPACT

One-Way Clutch Sprocket - A new uni-directional sprocket-clutch assembly for light duty applications. With a "One-Way" Sprocket, the chain will drive in only one direction. If a load is applied on the sprocket in the opposite direction, the sprocket will turn freely on the shaft.

This unit is available as a complete assembly, ready for mounting on the shaft, avoiding the necessity of the machine builder having to assemble several components, possibly from different sources of supply.

At present, two sizes are available as follows:

"One-Way" Sprocket No.	Max. Bore	Keyway	Setscrew	Max. Torque (capacity (lb.-in.))
CB12	1/2	1/8 x 1/16	3/16	200
CB16	5/8	3/16 x 3/32	3/16	424

Bore tolerance +.002 -.000.

For different applications, sprockets may be required with various numbers of teeth, therefore, this unit will be available on a made-to-order basis in quantity lots of 50 pieces or more.

"One-Way" Sprockets can be supplied in the following range of sizes.

		Chain Model	Minimum No. Teeth	Maximum No. Teeth			Chain Model	Minimum No. Teeth	Maximum No. Teeth
"ONE-WAY"	"Micropitch"		32	200	"ONE-WAY"	"Micropitch"		42	200
SPROCKET NO.	#25		21	82	SPROCKET NO.	#25		27	175
CB12	#35		15	22	CB16	#35		19	47
1/2" Bore	#41		12	17	5/8" Bore	#40		15	20
(Maximum)	#65		12	31	(Maximum)	#41		14	36
						#65		14	67

Backlash under full load is less than 2°.

"One-Way" Sprockets, when used as the small sprocket in a chain drive, may be depended on to transmit chain working loads in accordance with the chain horsepower capacities shown in Diamond Catalog No. 763.

DIAMOND CHAIN COMPANY - INDIANAPOLIS, INDIANA

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